



## PATENT ABSTRACTS OF JAPAN

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**(54) EAR SHELL REAR DIRECTION ACOUSTIC  
RADIATION TYPE HEADPHONE WITH FRONT  
OPEN CYLINDRICAL BUFFLE**

is excellent, a pleasant sense of use and listening  
sense without a pressing sense is realized.

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(57) Abstract:

**PURPOSE:** To prevent the deterioration in a low frequency range level and disturbance of a characteristic of a medium sound frequency range by surrounding an acoustic radiation unit and a concha with a cylindrical baffle using a sound absorption material with sound absorption property like a felt so as to include them and loading the baffle to the head so as to be pressed thereto.

**CONSTITUTION:** A baffle 3 made of a felt or the like and having an opening 2 in front is fitted to an outer periphery of an acoustic radiation unit 1 and the unit is fitted to a head band 4 or the like so that the opening is directed in front. Since the unit is fitted to a head 6 so as to be covered from the rear side of a concha 5 as shown in Figure, the unit radiates sound from the rear side with respect to the ears. The structure of the head phone is of extremely open type and since the unit is arranged to the rear side of the ear, a sense of presence of the unit is not almost felt. Since the sound conduction and vent to the external side

